

R E P O R T R E S U M E S

ED 011 308

24

ED 011 308

BIBLIOGRAPHY ON INDIVIDUALIZED INSTRUCTION.

HARVARD UNIV., CAMBRIDGE, MASS.

REPORT NUMBER BR-5-D215-8

PUB DATE AUG 66

CONTRACT OEC-5-10-239

EDRS PRICE MF-\$0.09 HC-\$0.36 9F.

DESCRIPTORS- *BIBLIOGRAPHIES, *ACHIEVEMENT, *TESTS, SOCIAL CLASS, *ACADEMIC ACHIEVEMENT, *STUDENT BEHAVIOR, COMPUTER ASSISTED INSTRUCTION, CAMBRIDGE

THIS BIBLIOGRAPHY LISTS MATERIAL ON VARIOUS ASPECTS OF INDIVIDUALIZED INSTRUCTION. APPROXIMATELY 85 UNANNOTATED REFERENCES ARE PROVIDED TO DOCUMENTS DATING FROM 1958 TO 1966. JOURNALS, BOOKS, AND REPORT MATERIALS ARE LISTED. SUBJECT AREAS INCLUDED ARE PROGRAMED INSTRUCTION, TEACHING MACHINES, RESPONSE MODE, SELF-INSTRUCTION, AND COMPUTER-ASSISTED INSTRUCTION. (TC).

ED011308

BR-5-0215-8
DEC-5-10-239
P.A. 24

(BIBLIOGRAPHY ON INDIVIDUALIZED INSTRUCTION)

CLEARINGHOUSE ON EDUCATIONAL DIFFERENCES
August 1966

This bibliography is intended to serve as a reference list. The published material may be obtained from the organization or journal cited.

CLEARINGHOUSE ON EDUCATIONAL DIFFERENCES
Harvard Graduate School of Education
Larsen Hall, Appian Way

BIBLIOGRAPHY ON INDIVIDUALIZED INSTRUCTION

August 1966

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

This document has been reproduced exactly as received from the person or organization originating it. Points of view or opinions stated do not necessarily represent official Office of Education position or policy.

- | <u>Accession no.</u> | <u>Title</u> |
|----------------------|---|
| 003408 | AERA-APA-DAVI Joint Committee on Programed Instruction and Teaching Machines. Criteria for assessing programed instructional materials. <u>Audiovisual instruction</u> , February 1963, 84-89. |
| 002919 | Allen, D. W., & McDonald, F. J. The effects of self-selection on learning in programmed instruction. <u>American educational research journal</u> , 1966, 3(1), 1-6. |
| 003312 | Berry, P. C. Pretending to have (or to be) a computer as a strategy in teaching. <u>Breakthroughs to better teaching</u> . Cambridge: Harvard Educational Review, 1966, 105-123. |
| 002348 | Blackman, L. S., et al. The development and evaluation of a curriculum for educable mental retardates utilizing self-instructor devices or teaching machines. Johnstone Training and Research Center, Bordentown, N. J., 1964. 365pp. |
| 003174 | Board of Education of Baltimore County, Office of Educational Research and Planning. An objective evaluation of a program entitled "Introduction to per cent." Experimental research series, report #125, 1964. 25pp. |
| 002761 | Bushnell, D. D., & DeMille, R. The application of computer technology to the improvement of instruction and learning. The Brooks Foundation, Santa Barbara, Calif., October 1965. 36pp. |
| 003562 | Campbell, V. N., & Chapman, Madalynne A. Degree of student control over programed instruction: long term cumulative effects on problem-solving and transfer. Project report #1258. American Institute for Research, Palo Alto, Calif., December 1965. 23pp. Abstract. |
| 002556 | Campeau, Peggine L. Level of anxiety and presence or absence of feedback in programed instruction. Paper presented at Western Psychological Association, Honolulu, 1965. American Institute for Research, Palo Alto, Calif. 7pp. |

- 003147 Chittick, R. A., Eldred, D. M., & Brooks, G. W. The use of programmed instruction with disturbed students: June 1963 through May 1964. Unpublished progress report, Vermont State Hospital, 1964. Various paging.
- 001435 Computer Assisted Instruction. Advanced maintenance development explores computer assisted instruction in field engineering. International Business Machines, no date, 18pp.
- 001377 Crowley, D. M. TWA...and the instructional systems approach. Transportation Training Center, Kansas City, Missouri, March 1965. 51pp.
- 003175 Doll, R. C. (ed.) Individualizing instruction. Washington, D.C.: Association for Supervision and Curriculum Development, 1964. 174pp.
- 002344 Edgerton, H. A. The relationship of method of instruction to trainee aptitude pattern. New York: Richardson, Bellows, Henry & Company, Inc., 1958. 52pp. Abstract.
- 003481 Eldred, D. M. The use of prograded instruction with disturbed students. Paper presented at Thirtieth Educational Conference, New York City, October 1965. Vermont State Hospital, Waterbury. 15pp.
- 001299 Gibson, Janice T. Effects of prograded and traditional review on learning. University of Pittsburg, January 1965. 7pp.
- 001913 Gibson, Janice T. The effects on retention of prograded classroom reviews. Journal of educational research, 1965, 58(10), 449-452. Abstract.
- 002396 Goldbeck, R. A., & Briggs, L. J. An analysis of response mode and feedback factors in automated instruction. American Institute for Research, Santa Barbara, Calif., 1960. 36pp.
- 003482 Gordon, J. M., Jr. Abstract: interacting effects of varying step-size and feedback in prograded instruction. Co-operative Research Project #S-066, Michigan State University, East Lansing, 1965. 6pp.
- 002446 Gotkin, L. G. Prograded instruction and the academically gifted: the effects of creativity and teacher behavior on prograded instruction with younger learners. Technical report 630205. The Center for Prograded Instruction, New York, 1963. Various paging.
- 003395 Harvard Committee on Programmed Instruction. Progress report, Carnegie Corporation Grant #B3186. Harvard University, June 1965. Various paging.

- 003355 Harvard Office of Programmed Instruction. Selected references on programmed instruction. Harvard University, August 1965.
- 002398 Hershberger, W. Learning via programed reading and cue versus response in programed reading. Technical report no. 5 & 6. American Institute for Research, Palo Alto, Calif., 1963. Various paging.
- 003378 Holland, J. G. Design and use of a teaching machine program. Paper presented at American Psychological Association, 1960. Harvard University. 8pp.
- 003406 Holland, J. G. Evaluating teaching machines and program. Teachers college record, 1961, 63(1), 56-65.
- 002133 Holland, J. G. Teaching machines: an application of principles from the laboratory. Journal of the experimental analysis of behavior, 1960, 3, 275-287.
- 003400 Holland, J. G., & Porter, D. The influence of repetition of incorrectly answered items in a teaching-machine program. Paper presented at American Psychological Association, Chicago, 1960. Harvard University. 3pp.
- 001238 Holt, H. O. Development of self-instruction programs for telephone company training. Telephony, 165(21), Nov. 1963.
- 001679 Johnson, Hildegard. Programed instruction and the demonstration method of teaching at the junior high school level. University of North Carolina at Greensboro, April 1964. 22pp. Abstract.
- 002888 Kight, H. R., & Sassenrath, J. M. Relation of achievement motivation and test anxiety to performance in programed instruction. Paper presented at American Educational Research Association, Chicago, 1966. State University of New York, Buffalo. 4pp.
- 003547 Learning structures project. Preliminary results from the project's first year of research. No source. 8pp.
- 003335 Levin, G. R., & Baker, B. L. Item scrambling in a self-instructional program. Journal of educational psychology, 1963, 54(3), 138-143. Abstract.
- 001426 Mackenzie, Scotty. The methods and techniques of education. American Management Association News, July 1965.
- 003115 Mager, R. F., & McCann, J. Learner-controlled instruction. Varian Associates, Palo Alto, Calif., September 1961. 21pp. Abstract.

- 003474 Meyn, Constance, Moore, W. U., & Smith, W. I. Negative practice in acquisition and retention of programmed instruction. Psychological reports, 1964, 14, 679-684.
- 003472 Moore, J. W., & Smith W. I. Role of knowledge of results in programmed instruction. Psychological reports, 1964, 14, 407-423.
- 003223 Moore, J. W., & Smith, W. I. The development and evaluation of a programming technique for relating frame difficulty to the ability of the learner. Final report, Bucknell University, July 1965. 77pp with appendices.
- 002155 Moore, J. W., Smith, I. W., & Teevan, R. Motivational variables in programmed learning: the role of need achievement, fear of failure, and student estimate of achievement as a function of program difficulty. Unpublished final report, Bucknell University, 1956. 76pp.
- 003148 Ojemann, R. H., Maxey, E. J., & Snider, B. C. F. The effect of a programmed sequence for developing probability concepts at the fifth grade level and its contribution to a theory of instruction. Paper presented at American Educational Research Association, Chicago, 1966. University of Iowa. 10pp.
- 001240 Psychological Corporation. Instructional systems. The Psychological Corporation, 304 East 45th Street, New York. 1964.
- 003042 Paulsen, C. F., Jr. Slow learners, competition, and programmed instruction. Oregon State System of Higher Education, August 1964. 44pp. with appendices.
- 002414 Plattor, Emma E. The development of a programmed course of study in manuscript and cursive handwriting for use in teacher education: summary report. Auburn University, Auburn, Alabama, 1965. 15pp.
- 003392 Porter, D. Spelling taught be machine: an application of reinforcement psychology to classroom teaching: abstract. Harvard University, no date. 4pp.
- 003393 Porter, D. What does learning theory contribute to the classroom? Audiovisual instruction, January 1962. 13-16.
- 002146 Pressey, S. L. Teaching machine (and learning theory) crisis. Journal of applied psychology, 1963, 47(1), 1-6.
- 003261 Rasmussen, Margaret. Individualizing education. Association for Childhood Education International, Washington, D. C., 1964. 64pp. paperback.
- 003311 Resnick, L. B. Programmed instruction and the teaching of complex intellectual skills: problems and prospects. Breakthroughs to better teaching. Cambridge: Harvard Educationa Review, 1966, 72-104.

- 002624 Resnick, Lauren B. Use of programmed instructional materials with culturally deprived children. Technical report 630611. New York: Center for Programed Instruction, Columbia University. 1963. 6pp. with tables.
- 003401 Resnick, L. B., & Ellis, A. B. Stimulus control in a self-instructional program: the effect of material to which no direct response is made. Harvard University, Committee on Programmed Instruction, August 1962. 5pp. with tables.
- 003473 Ripple, R. E. The relationship of anxiety, creativity, and intelligence to success in learning from programed instruction. Cornell University, May 1964. 16pp.
- 003104 Ripple, R. E., et al. Programmed instruction and learner characteristics: preliminary data. Psychological reports, 1965, 17, 633-634.
- 003109 Shaplin, J. T. Computer-based instruction and curriculum reform. Paper presented at conference on the computer in education. Washington University, St. Louis, no date. 4pp.
- 001237 Shoemaker, H. A. A follow-up study of wats programed training. American Telephone and Telegraph Co., February 1964.
- 001389 Skinner, B. F. The science of learning and the art of teaching. Harvard educational review, 1954, 24, 86-97.
- 003455 Skinner, B. F. Teaching machines. Science, 1958, 128, 969-977.
- 003407 Skinner, B. F. Teaching machines. Scientific American, November 1961.
- 003457 Skinner, B. F. Why we need teaching machines. Harvard educational review, 1961, 31, 377-398.
- 003553 Suppes, P. Computer-assisted instruction in the schools: potentialities, problems, prospects. Technical report #81, psychology series, Stanford University, October 1965, 17pp.
- 002274 Suppes, P. Computer-based mathematics instruction. International Study Group for Mathematics Learning, Bulletin, 1965, 3, 7-22.
- 003394 Suppes, P. On using computers to individualize instruction. A.E.D.S. Stanford School of Education Conference, no date. 5-22.
- 002018 Trimble, Martha Scott. Development and demonstration of the effectiveness of using programmed material for teaching fundamental tools and techniques required for English composition at the university level. Final report. Cooperative research project No. S-192., 1964-65. various paging.

- 000236 Tyler, Louise L. The taxonomy of educational objectives: cognitive domain--its use in evaluating programmed instruction. California journal of educational research, 1966, 17(1), 26-32.
- 001259 Wilds, P. L., & Zachert, Virginia. Effectiveness of two programmed texts in teaching gynecologic oncology to junior medical students. Paper presented at 2nd University of Rochester conference on self-instruction in medical education, Rochester, New York, June 1965.
- 002305 Wohlwill, J. F. The teaching machine: psychology's new hobbyhorse. Teacher's college record, 1962, 139-150.
- 002360 Woodruff, A. B., Shimabukuro, S., & Frey, S. H. Methods of programmed instruction related to student characteristics. Cooperative research project, no. 2284. 159pp.
- 003467 Zinn, K. L. Computer assistance for instruction: retrieval, testing, simulation and problem solving. Paper presented at NSCTE Annual Conference, Chicago, 1966. University of Michigan. 5pp.